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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/499,933	02/08/2000	Kyu Tae Park	300055.443	1909

500 7590 07/31/2003

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EXAMINER

STEVENS, ROBERTA A

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 07/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/499,933

Applicant(s)

PARK ET AL.

Examiner

Roberta A Stevens

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 February 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by **Tiedemann (U.S. 6246673 B1)**.

3. Regarding claims 1, and 3-8, **Tiedemanna** teaches (**abstract and figures 3-8**) hard handoff method between an asynchronous/synchronous CDMA system and a synchronous/asynchronous CDMA system, comprising: transmitting synchronous CDMA channels from asynchronous CDMA base stations with a purpose of synchronizing a handoff time at the synchronous CDMA base station and a code used at the synchronous CDMA base station, the transmission being done by a mobile terminal that is in communication with an asynchronous CDMA base station, the transmission being a part of handoff process and the mobile terminal performing the hard handoff to the synchronous CDMA base station (**column 9, lines 22-55**); reporting a measured result to the asynchronous CDMA base station on the basis of an intensity of an asynchronous CDMA pilot channel received from an adjacent synchronous CDMA base station, the reporting being done by the mobile terminal (**column 10, lines 9-39**); transmitting a handoff request message to the synchronous CDMA base station on the basis of the measured result, the transmission being done by the asynchronous CDMA base station: transmitting information to the asynchronous CDMA base station to perform the hard handoff

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the transmission being done by the synchronous CDMA base station that receives the handoff request message; and performing the hard handoff to the synchronous CDMA base station, being performed by the mobile terminal that receives the information through a traffic channel from the asynchronous CDMA base station, wherein:

the information to perform the handoff includes a starting point, a long code state, an offset index of the pilot PN sequence, a code channel index, and an offset value, also wherein;

performing the handoff comprises: receiving the information from the asynchronous base station through a traffic channel, releasing the traffic channel established with the asynchronous base station and establishing a traffic channel with the synchronous base station, exchanging an available frame between the mobile terminal and the synchronous base station through the established channel and confirming a handoff completion, and releasing resources between the asynchronous base station and a switch, the synchronous base station reporting the handoff completion to the switch (**column 10, line 56 – column 11, line 29**).

4. Regarding claim 2, Tiedemann teaches (**figure 8 and column 17, line 54 – column 18, lines 65**) transmitting an asynchronous CDMA synchronization channel and a common pilot channel; and synchronizing the asynchronous CDMA synchronization channel and the common pilot channel with a starting point of a synchronous pilot channel, the synchronous pilot channel being transmitted from the synchronous CDMA base station.

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Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wheatley (U.S. 6307840 **B1**), Tiedemann (U.S. 6216004 B1) and Ghosh (U.S. 6018667) are cited to show the state of the art.
6. Any inquiry concerning the communication or earlier communications from the examiner should be directed to Roberta Stevens whose telephone number is (703) 308-6607. The examiner can normally be reached on Monday through Friday from 9:00 am to 5:30 p.m.
7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor can be reached on (703) 308-6602.
8. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 305-3900.
9. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: (703) 746-9515

For informal draft communications, please label "PROPOSED" or "DRAFT"

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,

Arlington, VA. Sixth Floor (Receptionist).



Roberta A. Stevens

Patent Examiner

07-25-03

